



AVOLIS ENGINEERING, P.A.

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August 20, 2018

Mr. Wes Haskett
Deputy Town Manager/Planning Director
Town of Southern Shores
5375 N. Virginia Dare Trail
Southern Shores, NC 27949

Re: Proposed Fire Station Lot Coverage, 15 S. Dogwood Trail, Southern Shores, NC

Dear Wes:

The total lot area for the fire station project includes the fire station lot and a portion of the Town owned public works property. The total area is 38,738 square feet. The built-upon area within this lot area is broken down as follows:

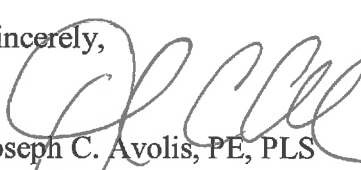
- Rear parking area including generator and transformer pads = 6,792 SF
- Rear concrete truck pad = 4,314 SF
- Rear H/C ramp = 96 SF
- Rear stoop = 23 SF
- Walkway on side of bays = 122 SF
- Front concrete truck pad = 4,402 SF
- Front truck area accessible walkway = 96 SF
- Front truck area stoop = 27 SF
- Flag pole area = 54 SF
- Sign = 32 SF
- Main entrance sidewalk/"ramp" = 1,229 SF
- Parallel parking area = 490 SF
- Building = 12,686 SF

Total Built-upon area = 30,363 square feet

% Lot coverage = $30,363/38,738 = 78.4\%$

Should you have any questions, please do not hesitate to give me a call.

Sincerely,


Joseph C. Avolis, PE, PLS
President
Corp. # C-0706

